

## NANCY

Nancy was the third tropical cyclone to develop north of the Marshalls in less than a month. Initially detected by satellite on 15 October, Nancy reached typhoon intensity 48 hours later, 200 nm south of Wake Island.

Tracking south of the subtropical ridge, Nancy took a more northerly course late on the 17th as the trough in the westerlies eroded the ridge near 155°E. On the 18th, reconnaissance aircraft reported a central pressure of 945 mb as Nancy's maximum winds of 105 kt were recorded.

Nancy began to recurve late on the 19th as she moved under upper tropospheric

westerlies of 45-50 kt. Early on the 21st, strong vertical shear weakened Nancy to a tropical storm and satellite data showed much of her cirrus canopy removed. Within 48 hours she degenerated into a tropical depression.

On the 22nd, Nancy stalled as she failed to recurve toward a trough in the westerlies. An intensifying ridge behind the trough caused Nancy, now a tropical depression, to track west-southwest for the next several days. Low-level cloud features were readily identifiable on satellite pictures as she moved into the Philippine Sea where the circulation finally lost its identity.

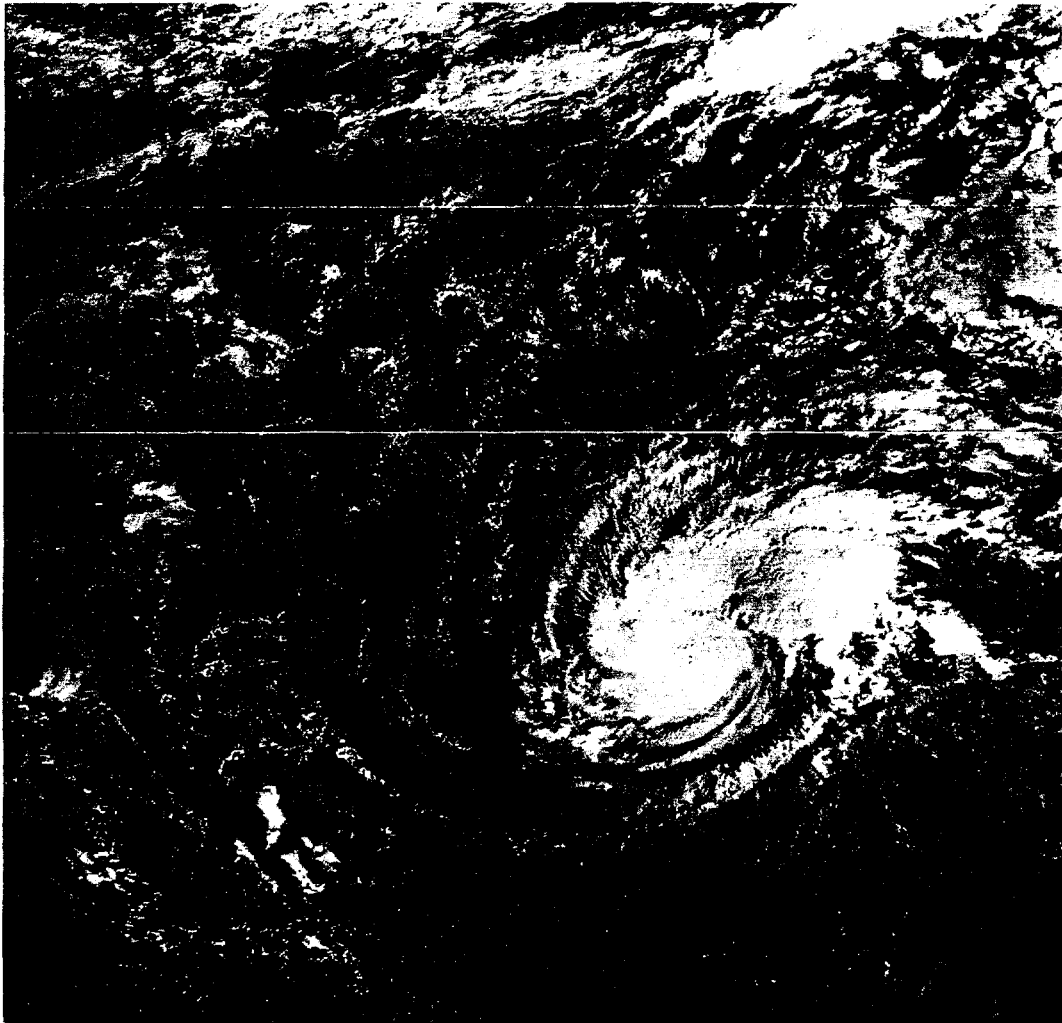


FIGURE 4-30. Typhoon Nancy 270 nm southwest of Wake Island, 17 October 1972, 2132 GMT. (DAPP data)